SIEMENS

ARCADIS Varic

SP Configuration System Configuration Guide © Siemens AG

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English

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Overview

Abbreviation	Definition
ACR NEMA	American College of Radiology, National Electrical Manufacturers Association
BIOS	Basic Input Output System, lowest PC configuration level
AET	Application Entity Title, name of DICOM service participating in the communication either as a user (SCU) or the provider (SCP).
CD	Compact Disc
CDR	Compact Disc, Recordable
COMP/ON	Computer on
CSE	Customer Service Engineer
DICOM	Digital Image Communication in Medicine (ACR NEMA standard)
DHCP	Dynamic Host Configuration Protocol, assignment procedure of the numeric IP address to nodes, in which blocks of addresses are "lent" to clients on a first-come, first-served basis. Typically, DHCP is combined with WINS so an IP address is both dynamically assigned and automatically associated with a domain name. This can be combined with DNS, resulting in a dynamically assigned numeric IP address that is automatically associated with both NetBIOS and Internet names.
DNS	Domain Name Services, address resolution procedure whereby numeric IP addresses are associated with names in the Internet format.
FTP	File Transfer Protocol, a client-server application that transfers files from one computer to another.
Gateway	A display that controls traffic between two networks using factors above the network level.
HIS	Hospital Information System
LAN	Local Area Network (here: always Ethernet)
LMHOSTS	Address resolution procedure in which numeric IP addresses are statically associated with NetBIOS names. The LMHOSTS file is checked to see whether the name is being addressed in this file.
Navigator	Main operating console
MC	Main Console
MOD	Magnetic Optical Disk

NetBIOS	Network Basic Input Output System, a collection of network services and programming interfaces. NetBIOS services run on network protocols such as TCP/IP.
NIC	Network Interface Card, an expansion card that provides a physical connection to the network.
OI	Operating Instructions
РВ	Patient Browser
PPP	Point-to-Point Protocol, a data link and network protocol designed for use over serial connections (such as dial-up modems).
RAS	Remote Access Services, a Windows NT service that supports dial-in and dial-out connections for modems and ISDN.
RIS	Radiology Information System
Router	A multiport computer or a dedicated hardware component that examines network level addresses for data packets and, if necessary, retransmits them on a different network.
SC	Satellite Console
SCU	Service Class User
SCP	Service Class Provider
SYS/ON	System on (i.e., the complete system)
TCP/IP	Transport Control Protocol/Internet Protocol, the standard protocol for networks.
UI	User Interface
USC	Uptime Service Center
URL	Uniform Resource Locator
VPN	Virtual Private Network
WINS	Windows Internet Name Service, an address resolution procedure whereby numeric IP addresses are dynamically associated with NetBIOS names. It is possible to combine DNS and WINS.
WIP	Work in Progress

General Information

NOTE

- Activities to be performed are labeled with a bullet point.
 - Indented text under the activity to be performed contains general information.
 - □ Results and events are labeled with an arrow in front of the indented text.

NOTE

Depending on the progress of the configuration, the "Next" button can also be displayed as the "Finish" button.

NOTE

Once the "Save" button has been selected in the individual screens, the message "..... successfully saved" appears following a successful save. Please:



Select "OK".

NOTE

Should problems arise when making changes in the Service UI, attempt to resolve them first by powering the system completely off and then powering it on again.

Reboot, Restart and Shutdown

NOTE

To activate changes in the system, a "shutdown" must always be performed, i.e., the complete system must be switched off and switched back on again.

A "shutdown" must always be performed when configuration is complete.

If one of the following messages appears, proceed as described in the note.

NOTE

Restart

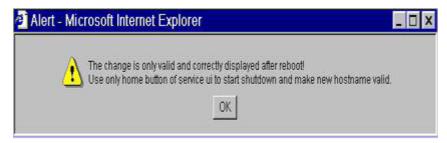


Reboot



If one of the above windows is displayed, click on "OK".

Reboot



- If this window is displayed, click on "OK".
- Click on "Home".

Country-specific Keyboard Layout and User Interface

You can choose English and German as the keyboard layout.

- Select "Configuration" under Options.
- Double-click "Regional and Language Options".
- Select "Regional Options".
- Select the language under "Standards and formats".
- Select "Languages".
- Click on "Detail".
 - This is where the keyboard language is set.
- Select "Add" under "Installed services".
- Select the desired language.
- Click on "ok".
 - The keyboard language will be displayed.
- Select the desired language under "Default input language" in the "drop-down menu".
- Click on "ok".
- · Click on "ok".

The "Regional Settings" have been changed.

Therefore, you need to restart the application.

Do you want to restart the application now?

- · Click on "ok".
 - When this is done, the settings will be accepted.

Service Software

Opening the Service Software

• Select "Service" under Options.

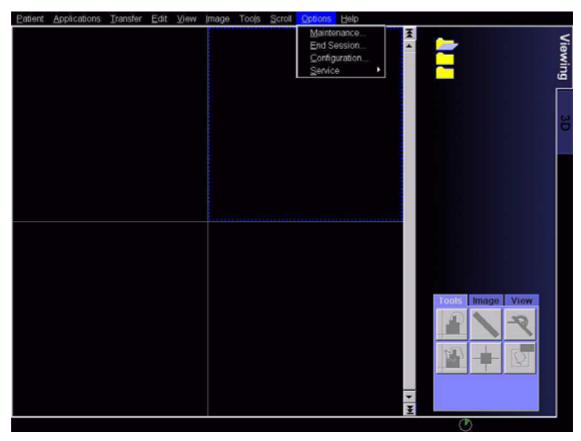


Fig. 1: C06_5_01

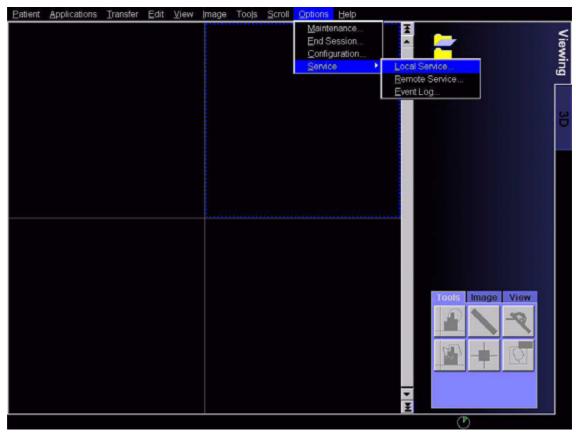


Fig. 2: C06_5_02

• Select "Local Service".

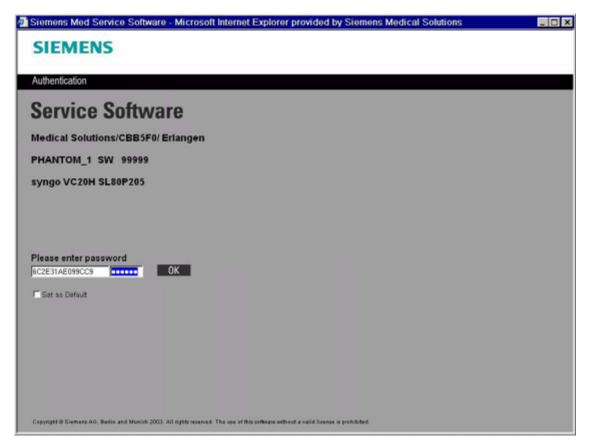


Fig. 3: C06_5_03

- Enter the service key under "Please enter password".
- · Select "set as default".
- Verify with "OK".
 - The Service Home menu appears.

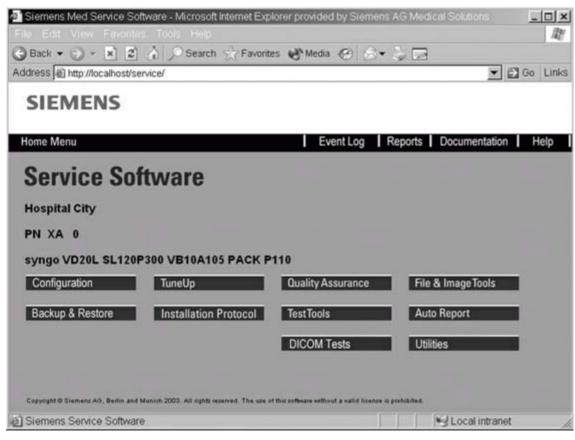


Fig. 4: Home Menu

Configuration

• Select "Configuration".

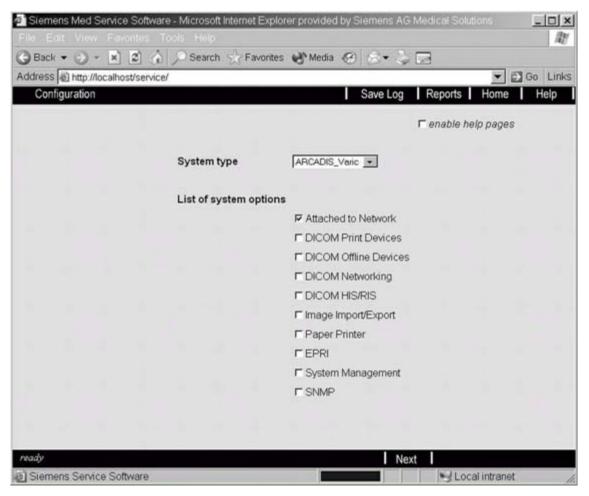


Fig. 5: List of system options

 Depending on the system, select ARCADIS Varic or ARCADIS Orbic.
ATTO ADIO OTDIO.

The following system options can be selected.

Attached to network	TCP/IP LAN (Local Network) for local system
DICOM Print Devices	DICOM Basic Print service for laser cameras.
DICOM Offline Devices	DICOM Media Storage on off-line media such as MOD and CD-R.
DICOM Networking	DICOM Storage and Query/Retrieve to remote network nodes
DICOM HIS/RIS	DICOM Basic Worklist for Radiology (Hospital) Info Systems
Image Import/Export	Import/export of DICOM images to/from the file system.
Paper Printer	Format for local printers (LPT1 or USB)
EPRI	Electronic Patient Record Interface

System Management	System Management Agent
SNMP	Simple Network Management Protocol for Network Topology. This is not used for ARCADIS.
Enable Help Pages	Help pages will be displayed between the configuration masks.

- Select the configured system options.
 - Do not select SNMP.
- Click "Next".



Fig. 6: Service >> Backup/Restore (Inst)

Click "Next".

Local Host

Site Info 1

Select "Site Info".

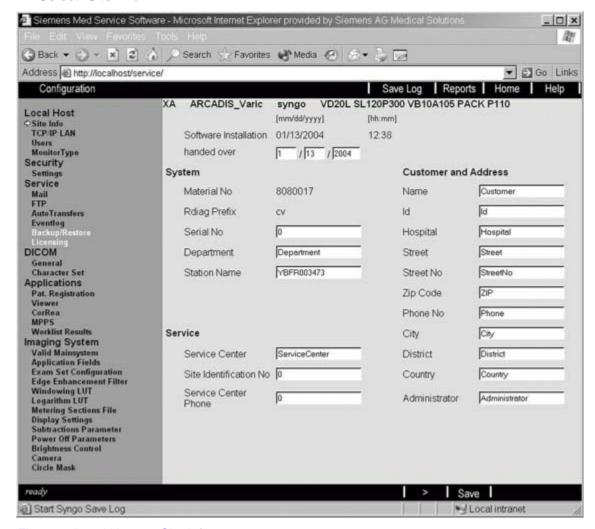


Fig. 7: Local Host >> Site Info 1

Software Installation

This date is set automatically during software installation; it cannot be changed.

Handover

• Enter the date and time when the system was handed over to the customer.

System

Material No.

This material no. is entered automatically once the "system model" has been selected in the previous screen.

"80 80 017" is displayed under "Material No." for the ARCADIS Varic.

"80 81 080" is displayed under "Material No." for the ARCADIS Orbic.

Rdiag Prefix

This name is entered automatically once the "system model" has been entered in the previous screen. It is needed to generate a unique name for the remote transfer.

"cv" is displayed under "Rdiag Prefix" for the ARCADIS Varic.

"co" is displayed under "Rdiag Prefix" for the ARCADIS Orbic.

Serial No.

- Enter the serial number of the main system.
 - ARCADIS Varic 10000 to 19999
 - ARCADIS Orbic 20000 to 29999

NOTE

The serial number is mandatory. It may not include any characters other than the numbers 0 to 9.

Department

Enter the department in which the system is located.

Station Name

- Enter the "Computer name" here.
 - This is the same as the one you had to enter under TCP/IP LAN "Computer name" or is the same as you already entered during installation.

Service

Service Center

• Enter the name of the responsible service center here.

Site Identification Number

• Enter the site identification number.

Service Center Phone

Enter the telephone number of the responsible service center.

Customer and Address

Name

• Enter the name of the customer.

ID

• Enter the Identification number of the customer.

Hospital

• Enter the name of the hospital.

Street

• Enter the street name.

Street No.

• Enter the street number.

Zip Code

• Enter the zip code.

Phone No.

• Enter the phone number.

City

• Enter the city.

District

• Enter the state/province.

Country

• Enter the country.

Administrator

- Enter the name of the administrator who is responsible for this system in this field.
- Select ">".

Site Info 2

Setting the Time Zone

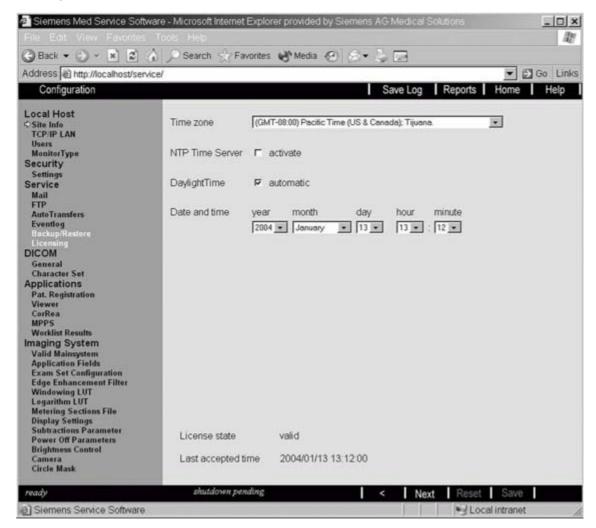


Fig. 8: Local Host >> Site Info 2

Time Zone

- Select the "time zone".
 - depending on the location of the system

NTP Time Server

• Do no select "NTP Time Server".

Select this only if the time is to be controlled via an NTP server at the customer's location.

• If the customer has requested that "NTP Time Server" be selected, you must also enter the IP address of the NTP server.

Daylight Time

If the NTP time server was activated, these values are automatically accepted and no setting can be made.

- Select "Daylight Time" automatic.
- Select the values for "Date and time".
- · Click "Save".
 - □ The following message appears: "You are going to change the time settings..."
- Click "OK"; ">".
- Click "Next".

TCP / IP LAN

Requirements

When configuring the TCP/IP LAN properties, you need to decide the type of TCP/IP LAN support your system requires. The project manager is responsible for obtaining the necessary data from the hospital's network administrator or from the Siemens Uptime Service Center.

NOTE

If the customer cannot provide a unique IP address, you need to request a unique IP address from your Uptime Service Center. They can create unique IP addresses by means of the "IP Reservation Tool" in the TD Intranet (Product Information - Applications and Utilities). In this case, no DHCP, DNS, or WINS needs to be configured.

Select TCP/IP LAN:

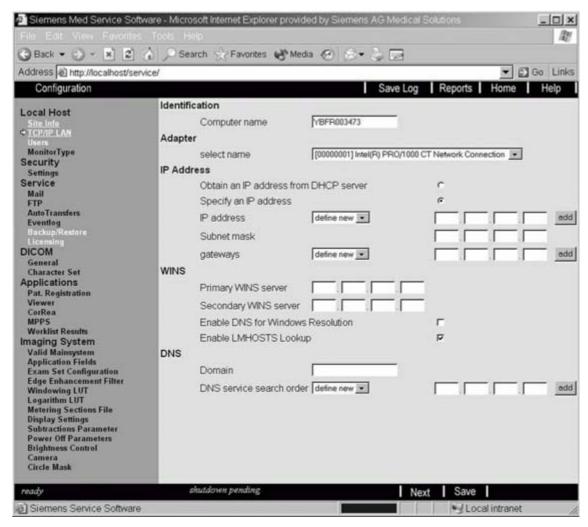


Fig. 9: Local Host >> TCP/IP LAN

Identification

Computer name

Check the computer name and change it, if necessary.

Adapter

Select Name

Select "[1] Intel (R) PRO/ 1000 CT Network Connection" under "select name".

IP Address

Obtaining an IP Address from the DHCP Server

NOTE ARCADIS has not been released for use with a DHCP server.

Do not select "Obtain an IP address from DHCP server".

Specifying an IP Address

• Select "Specify an IP address".

IP Address

- If the IP address 192.168.1.1. appears, delete it.
- Enter the protocol address that corresponds to the system under "IP address".

Subnet mask

Enter the "Subnet mask" address.

Gateway

• Enter the "Gateway" address if available.

NOTE

If your system is or is supposed to be connected via an ISDN router to the RDIAG server responsible for you, please refer to the "Siemens Remote Service" chapter.

WINS

(Windows Internet Naming Service)

Primary WINS Server

• Do not enter anything under "Primary WINS server".

Secondary WINS Server

Do not enter anything under "Secondary WINS server".

Enabling DNS for Windows Resolution

• Do not select "Enable DNS for Windows resolution".

Enabling LMHOSTS Lookup

Do not select "Enable LMHOSTS Lookup".

DNS (Domain Name Server)

Domain

Do not enter anything under "Domain".

DNS Service Search Order

- Do not select or enter anything under "DNS service search order".
- Select "Next".

Users

Select "Users".

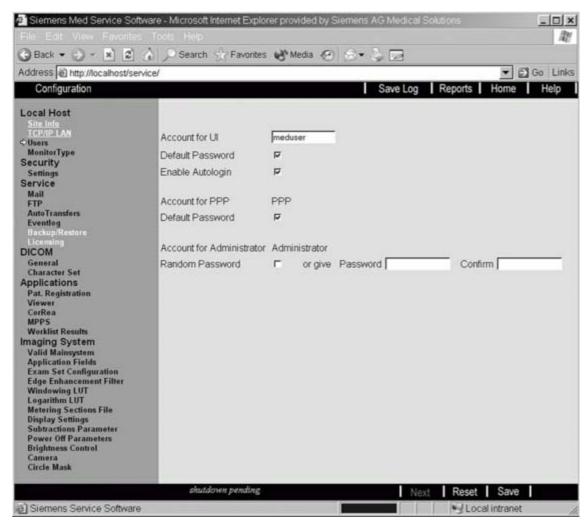


Fig. 10: Local Host >> Users

Account for UI

• Verify that "meduser" is entered under Account for UI.

Default Password

Highlight the "default password".

Enabling Autologin

Highlight "Enable Autologin".

Account for PPP

No setting possible.

Default Password

Highlight "Default Password".

Account for Administrator Random Password

Without HIPPA configuration

- Highlight "Random Password".
 - When this is done, the system generates a random password. As a result, it is not possible to log on as the administrator.
- Click "Save".
- Click "Next".

With HIPPA configuration

- Enter the administrator password under "Password".
- Re-enter the administrator password under "Confirm".
- Click "Save".
- Click "Next".

Monitor Type

Select "Monitor Type".

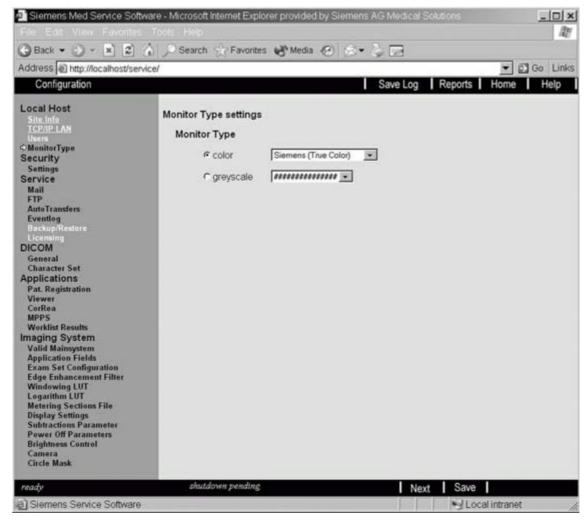


Fig. 11: Local Host >> Monitor Type

Monitor Type

- · Select "color".
 - Regardless if the monitor is black-and-white or color.
- Select "Siemens (Pseudo color)".
- Click "Save".
- Click "OK".

Security

Settings

NOTE

Only trained service technicians can make settings on this page.

If you made changes and saved them here, you must perform a completely new installation of the system software to reset them!

Select "Settings".

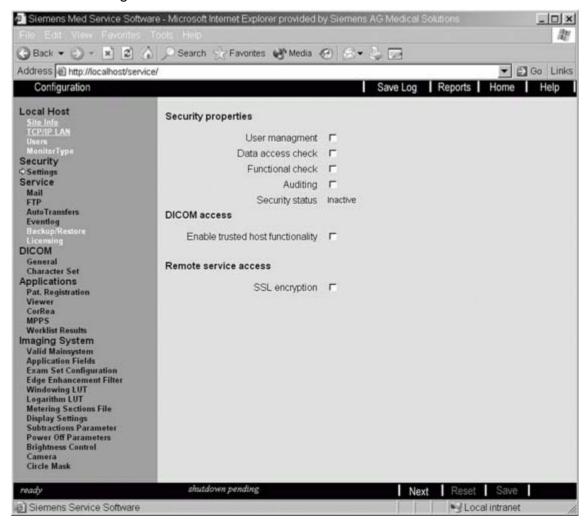


Fig. 12: Security >> Settings

Local Security Features

User Management

Do not select "User Management".

Data Access Check

Do not select "Data access check".

Functional Check

• Do not select "Functional check".

Auditing

• Do not select "Auditing".

DICOM Access

Enabling the Trusted Host Functionality

• Do not select "Enable trusted host functionality".

Remote Access Service

SSL Encryption

- Do not select "SSL encryption".
- Click "Next".

Service

NOTE

Perform the following steps.

If the system is connected to remote, perform the procedures in the "Installation of Siemens Remote Service" document, Print Number SP00-000.816.02.01.xx.xx, after you finish configuring the service software.

Mail

This menu item allows you to configure the mail target for the Auto Report function and for the Service center provided in the Customer User Interface under Option - Remote Service.

Select "Mail" under Service.

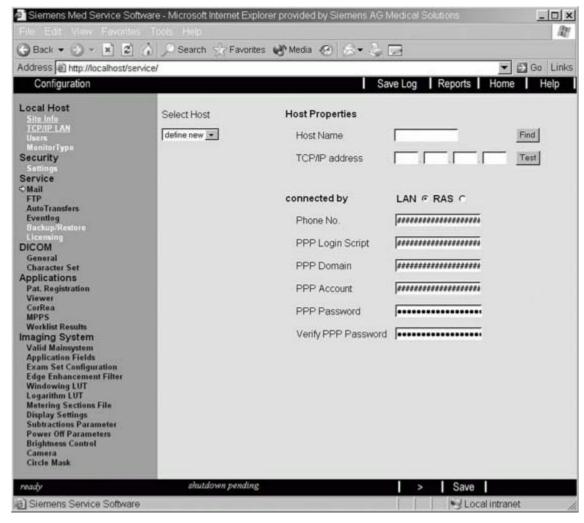


Fig. 13: Service >> Mail 1

Host Properties

Do not make any entries.

• Select ">".

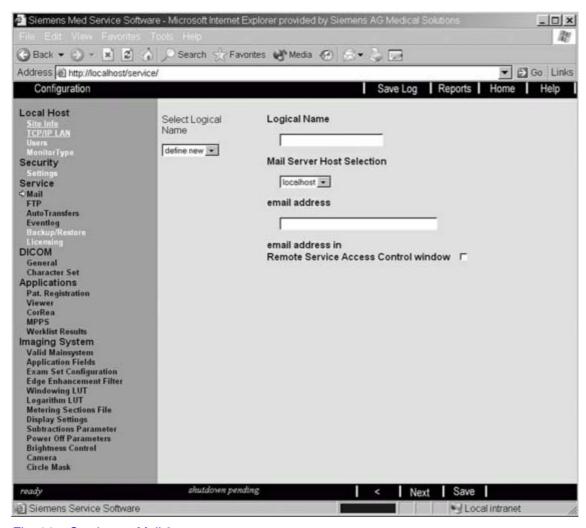


Fig. 14: Service >> Mail 2

Logical Name

- Do not make any entries.
- Select "Next".

FTP

This menu item makes it possible to configure the file transfer target (FTP) for the Auto Report and for the File&Image Tool functions.

A target is comprised of an FTP server and an FTP account on which this server can be reached via LAN (e.g., a router).

Select "FTP".

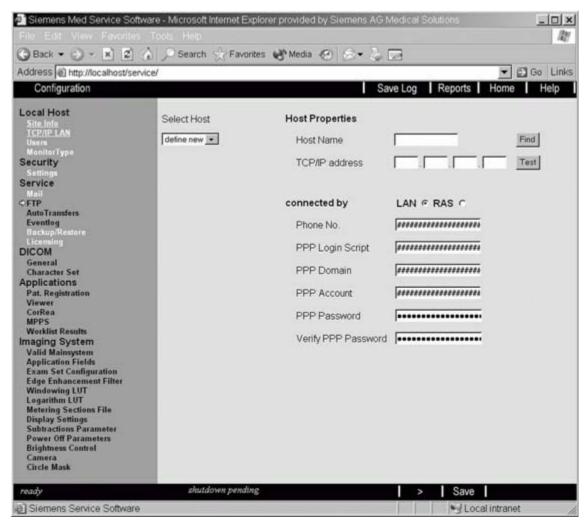


Fig. 15: Service >> FTP 1

Host Properties

- Do not make any entries.
- Select ">".

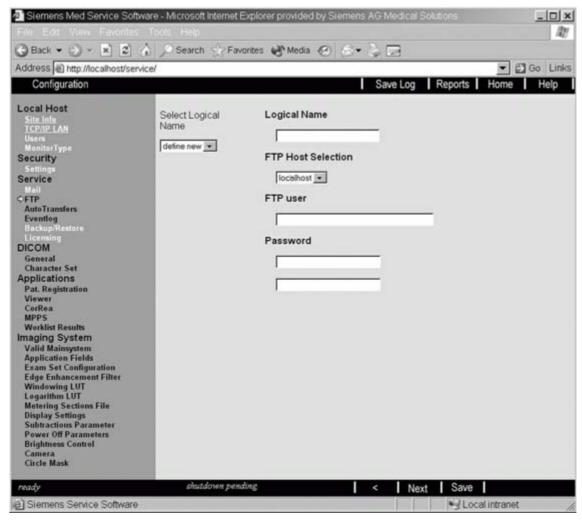


Fig. 16: Service >> FTP 2

Logical Name

- Do not make any entries.
- Select "Next".

Auto Transfer

• Select "Auto Transfers".

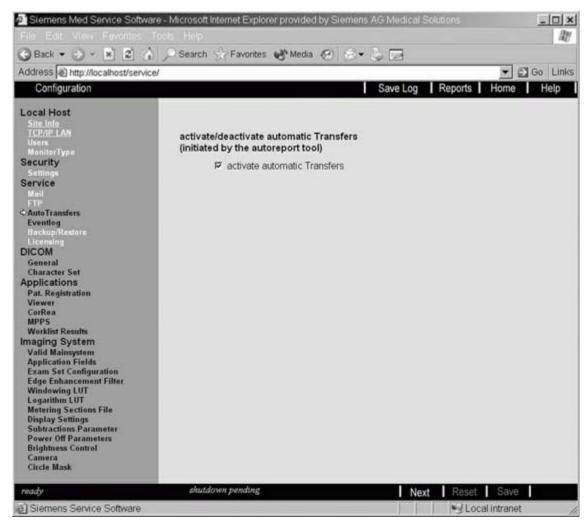


Fig. 17: Service >> Auto Transfers

- Select "Activate automatic transfers".
- Select "Next".

Event Log

The "Event log" function allows you to customize the contents of the event log in your service software.

Select "Event Log".

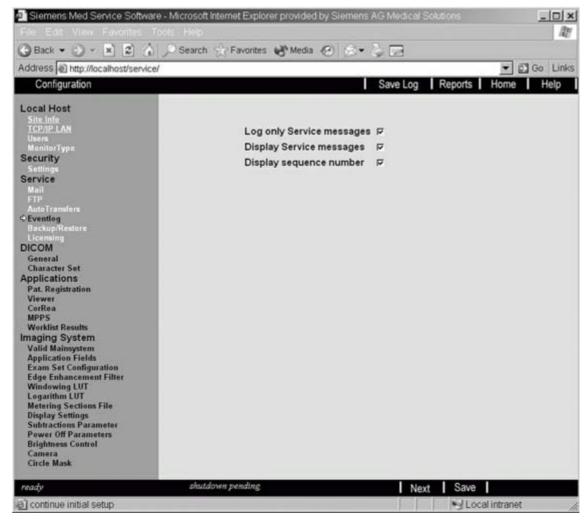


Fig. 18: Service >> Event log

Log only Service Messages

• Check whether "Log only Service Messages" is activated.

Display Service Messages

Check whether "Display Service Messages" is activated.

Display Sequence Number

- Check whether "Display Sequence Messages" is activated.
- Click "Save".

Backup/Restore

Select "Backup Restore".

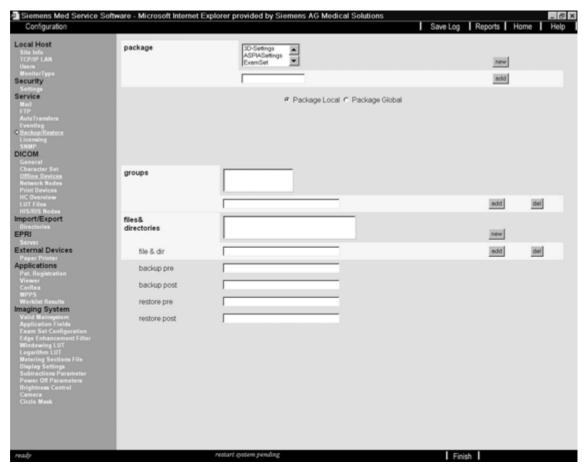


Fig. 19: Service >> Backup / Restore

- Do not make any entries.
- Click "Next".

Licensing

Various applications are protected with a license key. This "licensing" function allows you to display and modify an existing application license or to add new application licenses to the system.

NOTE

All licenses can be requested from the UPTIME Service Center, CS HSC 1 (+49 9191-188080).

Select "Licensing".



Fig. 20: Service >> Licensing

- Do not make any changes; the licenses were already downloaded during software installation.
- Click "Finish".

SNMP

• Select "SNMP".

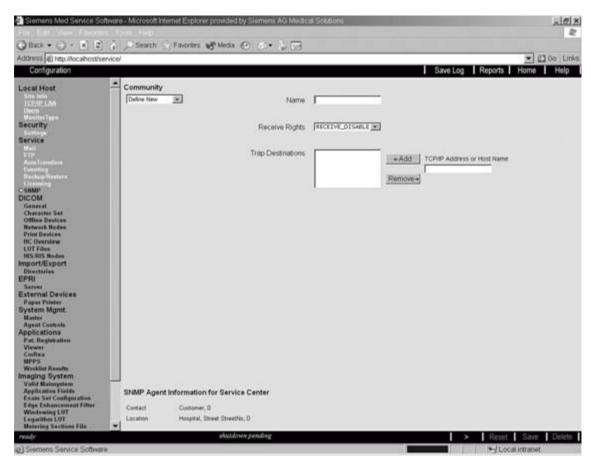


Fig. 21: Service >> SNMP 1

- Do not make any changes.
- Click <">".

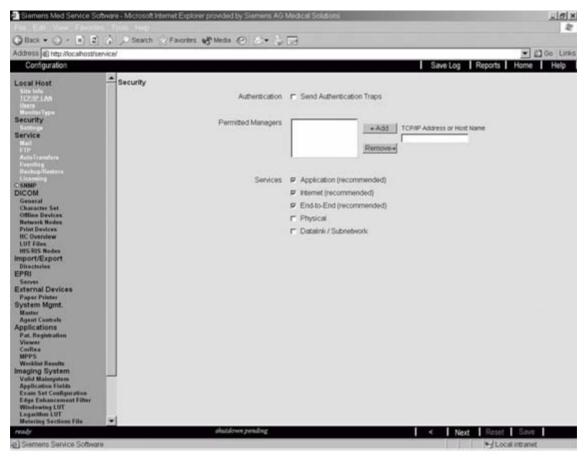


Fig. 22: Service >> SNMP 2

- Do not make any changes.
- Click "Next".

DICOM

DICOM allows you to specify the parameters for the DICOM communication interfaces of your system and of the remote systems.

AET = Application Entity Title

General

Select "General".

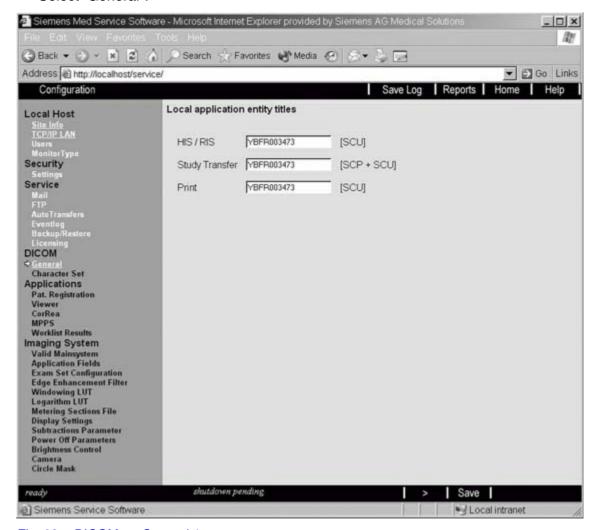


Fig. 23: DICOM >> General 1

Local Application Entity Titles

HIS / RIS

Enter the AET for HIS / RIS here.

Study transfer

• Enter the AET for Study Transfer here.

Print

- Enter the AET for Print here.
- Click ">".

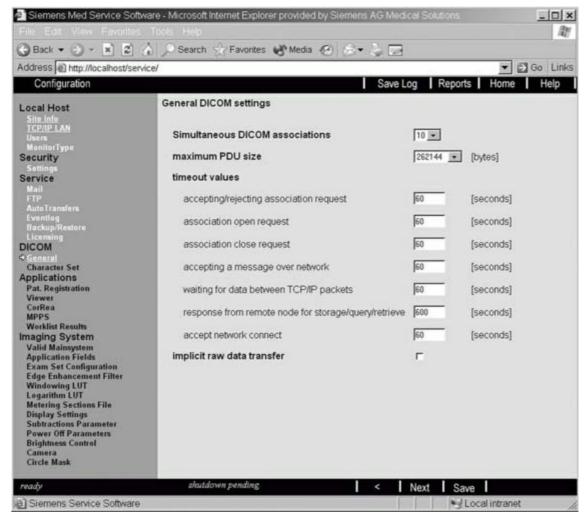


Fig. 24: DICOM >> General 2

- Do not make any changes on this page.
- Select "Next".

Character Set

Select "Character set".

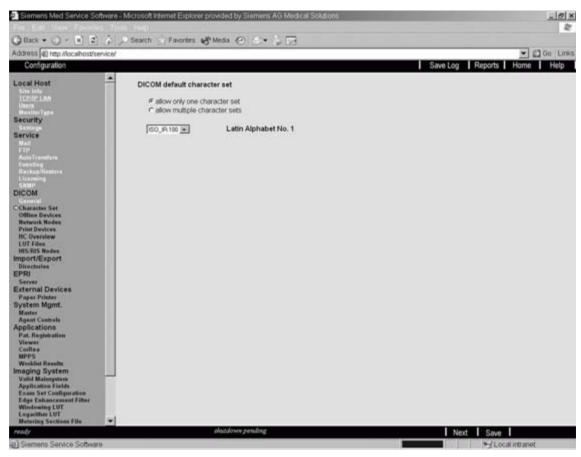


Fig. 25: DICOM >> Character Set 5

DICOM Default Character Set

- Select "Allow only one character set".
- Select "ISO_IR 100":
 - The settings need to be changed only if required by the keyboard.
 ISO IR 6 for USA (ASCII)
 ISO IR 13 for Japan

Offline Devices

Using Offline Devices, you can make settings for DICOM off-line devices (Media Storage) on the local host.

Select "Offline Devices".



Fig. 26: DICOM >> Offline Devices

- Select "define new".
- Select CD_RW under "Logical name".
- Select "Archive Device" if the CD-RW is being used as the archive.

Drive Type

- Select "CD-RW drive".
- Select "Read/Write" under Access.
- Select "8" speed under Recording.
- Do not select "Optical Disk Drive" and "default".
- Do not select "SPI file system".

Drive Letter

Select "R:\".

SCSI Settings

- Do not select anything under "Adapter".
- Do not select anything under "Bus".
- Do not select anything under "Target".

Network Nodes

The DICOM nodes for Storage (Send and Receive) and Query/Retrieve are defined here. Please note that DICOM printers and the Radiology Information System (RIS) are not configured here.

The image transfer or Query/Retrieve targets entered can be selected in the "Transfer - Send to..." menu of the Viewer or Patient browser.

The entered Query/Retrieve targets can be selected in the "Patient Search" menu of the Viewer or Patient browser.

Select "Network Nodes" under DICOM.



Fig. 27: DICOM >> Network Nodes 1

Host Properties

Network Nodes not available:

- Select ">".
- Select ">".

Network Nodes available:

Select "Define new" under Select Host.

Host Name

• Enter the host name.

TCP / IP Address

• Enter the IP address.

Connected by

- Select "LAN".
- Select "Save".
- Select ">".

General Node Properties



Fig. 28: DICOM >> Network Nodes 2

Logical Name

• Select "Define new".

Editing the Name

• Enter the name under "Edit Name".

Host

• Under "Host", select the name entered on the previous page.

Application Entity Properties

AE Title

- Select "Define new".
 - The AETs already configured are shown in this drop-down list.

Editing the AE Title

• Enter a name in the "Edit AE Title" field.

Port Number

- Enter the port number for the DICOM unit.
- Click "Add".
- Do not select Verification.

Supported DICOM Services

Select the DICOM services that the customer has purchased and should be performed by the corresponding system.

NOTE

"Storage" must be selected as a minimum.

Changes should only by made by an application engineer due to possible impact on the customer interface.

Storage

- Select "Storage".
- Select Retrieve if the particular DICOM unit is to support query.
- Click "Save".
- Do not make any changes under "Storage".

Storage commitment

Select Storage Commitment if the particular DICOM unit is to be configured as the Storage Commitment Provider.

Query

- Select Query if the particular DICOM unit is to support query.
- Select "patient root" under Provides DICOM query model.

Retrieve

- Select Retrieve if the particular DICOM unit is to support retrieve.
- Click "Save".

Print Devices

Here you define the DICOM laser cameras that are connected to your system via DICOM Basic Print. A local printer is NOT A DICOM printer!

This system does not support the SPCI/SPDI camera interface.

NOTICE

If a printer needs to be deleted, e.g. following an incorrect entry, the correct sequence of Print Devices 3 to Print Devices 1 must be observed.

⇔ Otherwise, problems can occur, e.g. in the "Filming" application card, in the user interface or when making registration settings.

NOTE

You will find the installation instructions for each released camera on CB-DOC under Installation in the "Camera" catalog.

NOTE

Configuring "Print Devices" without the necessary DICOM license will result in a system error.

The error can only be corrected by performing a completely new installation!

Print Devices 1

- Verify that the required DICOM Basic License is available.
 - To do so, proceed as follows:
 In the Service software, go to -> Configuration --> Service--> Licensing.
 "ASPIA_DICOM_BASIC...."should be listed under Licenses.
- Select Print Devices.



Fig. 29: DICOM >> Print Devices 1

Host Properties

• Select "Define new" under Select Host.

Host Name

Enter the host name of the DICOM camera.

TCP / IP Address

• Enter the IP address.

Connected by

- Select "LAN".
- Select "Save".
- Under Select Host, select the host name entered for the DICOM camera.
- Select ">".

Print Devices 2



Fig. 30: DICOM >> Print Devices 2

General Node Properties

Logical Name

Select "Define new".

Editing the Name

• Enter the name under "Edit Name".

Host

• Under "Host", select the name entered on the previous page.

Application Entity Properties

AE Title

- Select "Define new".
 - The AETs already configured are shown in this drop-down list.

Editing the AE Title

Enter a name in the "Edit AE Title" field.

Port Number

- Enter the port number for the DICOM unit.
- Click "Add".
- Do not select Verification.

Supported DICOM Services

Print

- Select "Print".
- Select "Save".
- Select ">".

Print Devices 3

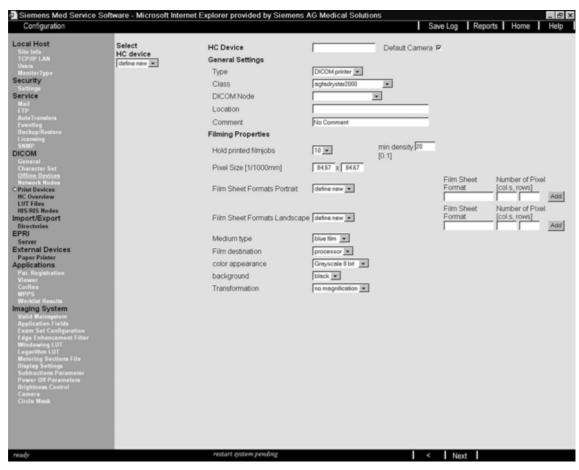


Fig. 31: DICOM >> Print Devices 3

Selecting the HC Device

• Select "Define new" under Select HC device.

HC Device

- Enter the name of the camera.
 - This will be displayed in the customer interface in the "Print" register.

Default Camera

• Select this option to define the camera as the standard camera.

The other cameras need to be selected in the customer user interface via a drop-down list in the "Print" register.

General Settings

Type

• Select "DICOM Printer".

Class

• Select your released DICOM camera in the drop-down list.

Do not make any other changes on this page.

If your camera is not yet released or not in the list, contact the responsible Headquarters Support Center.

Select "Save".

HC Overview

NOTE

This menu has no meaning for the service engineer, since the settings and tests can also be performed in the "print device" menu.

The customer can manipulate and test certain camera settings with the "Hard Copy Overview" menu.

• Select "HC Overview".



Fig. 32: DICOM >> HC Overview

- Do not make any changes under HC Overview.
- Select "Next".

LUT Files

This menu allows you to import, remove, and select LUT files (Look Up Table) for DICOM Basic Print. Currently, no tool is available for modifying a lookup table (LUT Editor).

NOTE The Correction LUT for the system can be found under "XRFImage".

• Select "LUT Files".

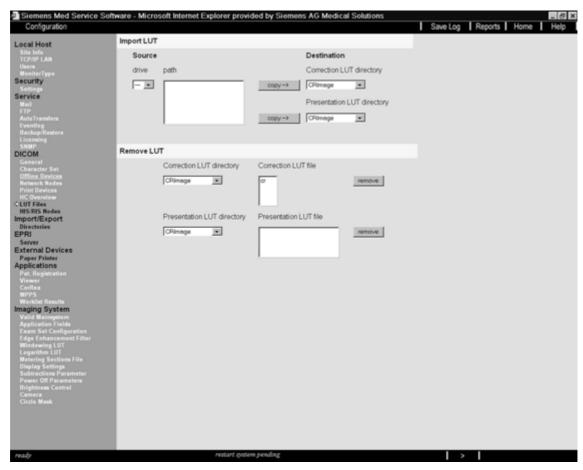


Fig. 33: LUT Files 1

- Do not make any changes.
- Click ">".

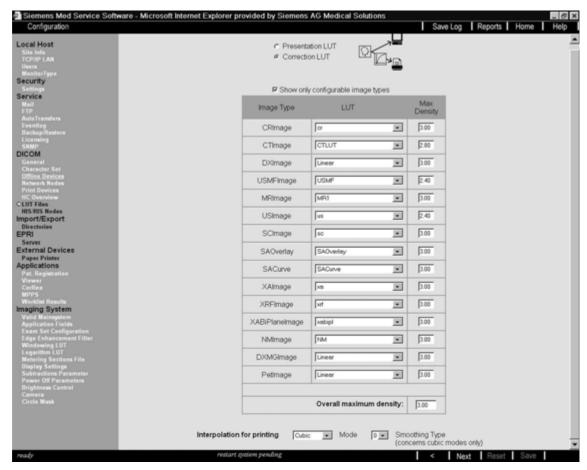


Fig. 34: LUT Files 2

- Select "Correction LUT".
- Select XAImage.
- Verify that "xa" is selected.
- · Click "Save".

Max. Density

• Do not make any changes.

Overall Maximum Density

Verify that the value is 3.00; if not, enter this value.

Interpolation for Printing

Verify that "Cubic" is selected.

Mode

- Do not make any changes.
- If changes were made to one of the previous items, select "Save".

HIS/RIS Nodes

Configuration of a Hospital Information System (HIS) or Radiology Information System (RIS) that supports DICOM Basic Worklist or the Detached Study Transfer Service. In many cases, the RIS will be connected via an interface box such as the Mitra Broker (MagicLink HL7).

HIS / RIS Nodes 1

Select "HIS/RIS Nodes".



Fig. 35: HIS / RIS Nodes 1

Host Properties

• Select "Define new" under Select Host.

Host Name

• Enter the host name of the HIS / RIS node.

TCP / IP Address

Enter the IP address.

Connected by

• Select "LAN".

- Select "Save".
- Under Select Host, select the host name entered for HIS / RIS.
- Select ">".



Fig. 36: HIS / RIS Nodes 2

General Node Properties

Host

• Under "Host", select the name entered on the previous page.

Logical Name

- Select "Define new".
 - The DICOM worklist request will run in the background and only one HIS/RIS can be selected. As a result, the logical name is not displayed in the customer user interface.

Editing the Name

- Enter the name under "Edit Name".
 - Any name can be selected.

Application Entity Properties

AE Title

- Select "Define new".
 - The AETs already configured are shown in this drop-down list.

Editing the AE Title

• Enter a name in the "Edit AE Title" field.

Port Number

- Enter the port number for the DICOM unit.
- Click "Add".
- Do not select Verification.

Supported DICOM Services

Basic Worklist

NOTE

Basic Worklist has to be selected as the minimum.

Select "Basic Worklist".

Query Waiting Time

• Enter 20 sec., if not already listed.

Max. Query Match Number

• Enter 200 matches, if not already listed.

Query Interval

Enter 60 minutes, if not already listed.

NOTE

To activate the automatic DICOM Worklist polling function, you must select "HIS/RIS update Worklist in Background' under "Option - Configuration - Patient Registration" in the customer user interface.

Default Basic Worklist Node

• Select "Default Basic Worklist node".

Performed Procedure Step

NOTE

Do not edit this item if MPPS is being used.

At the beginning and following patient acquisition, the DICOM Service Modality Performed Procedure Step (MPPS) sends data to the information system (e.g., RIS). Select this option if the selected information system is the destination to be used for this DICOM service.

Default Catalog Name

- If codes are used, enter the name of the coding catalog being used in the information system.
- MPPS uses codes instead of readable values.

Default Catalog Version

If codes are used, enter the name of the coding catalog the information system uses.

Default PPS Node

- Select "Default PPS Node".
- Click "Save".

Import/Export

The system allows the import or export of DICOM images from / to the file system. In this section, you need to specify the location of the import / export directories. They are located on the system or on a shared directory.

For shared directories, you first need to configure the host on which the shared directory is located.

To import / export DICOM images, you need to select "Transfer - Import from Off-Line" or "Import / Export to Off-Line" in the customer user interface.

Directories

Select "Directories".



Fig. 37: Import / Export >> Directories 1

Host Properties

Select "Define new" under Select Host.

Host Name

• Under "Host Name", enter the computer name of the system.

TCP / IP Address

• Enter the IP address.

Connected by

- Select "LAN".
- Select "Save".
- Select the host name entered under Select Host.
- Select ">".

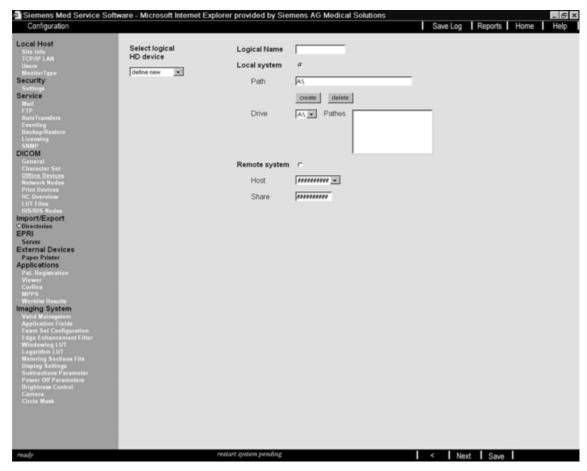


Fig. 38: Import / Export >> Directories 2

Selecting the Logical HC Device

Select "Define new".

Logical Name

- Select "DICOM Tools" under Logical name.
 - The logical name will be displayed in the customer user interface under 'Transfer Off-line Export / Import' .

Local System

Select "Local System".

- Enter the path "C:\\\\\\Syngo\\\\\\Service\\\\\\\dst\\\\\\ing"
- Select the drive name C:\ under Drive.
- Select "Create".
- Select "Save".

Remote System

Do not select "Remote system".

Host

• Do not make any entries.

Share

- Do not make any entries.
- Click "Next".

EPRI

The EPRI (Electronic Patient Record Interface) is a web interface (Internet Explorer browser) to a server which provides additional data about the selected patient.

Server

The customer user interface provides a button to open a web browser with a link to an EPR server. The URL and the type of EPR server need to be specified in this menu.

· Select Server.



Fig. 39: EPRI >> Server

EPR Interface

Location of EPR Server

• Do not make any changes under Location of EPR Server.

Type of EPR server

- Do not make any changes under Type of EPR Server.
 - Currently, only the WebEPR server from Siemens HS is released (as the default server).

External Devices

Paper Printer

NOTE

The driver for the paper printer must be installed per the instructions in "Troubleshooting, Software, Service Information" with Print No. SPR2-310.840.01.xx.xx.

NOTE

Even locally networked screen printers (e.g., from Condronics) are labeled paper printers in Syngo.

Only the media format can be defined in this menu.

Select "Paper Printer".



Fig. 40: Configuration >> ExternalDevices >> PaperPrinter

Available Paper Printer Media Formats

- Verify that all formats are selected.
 - For example, A4 is used for Sony printers, 8x10 for Condronics printers.
- · Click "Finish".

Select "PS LUT Files".



Fig. 41: Configuration >> ExternalDevices >> PSLUTFiles

- Under "Drive", select drive "C",
- Under "Source Path", select "ASPIA".
- Under "Source Path", select "config".
- Under "Source Path", select "HC".
- Under "Source Path", select "LUT".
- Under "Source Path", select "XAImage".
- Under "Source Path", select "Printer LUT_A2".
- Click "Import".
- Click "Select".
- Verify that "Use LUT for Postscript printers" is selected.
- Verify that "Use floating Zoom factors" is not selected.
- Click "Save".

System Management

At this point, you must configure the IP address of the system management where the event management agent should send its messages.

NOTE

Additional software must be loaded for this purpose. System Management settings are not included in this configuration.

These settings appear in a separate document.

• Skip "Sytemmgt" and proceed to the next configuration item.

Master



Fig. 42: C06_5_44

Agent Controls

The System Management Agent can be started or stopped in this screen.

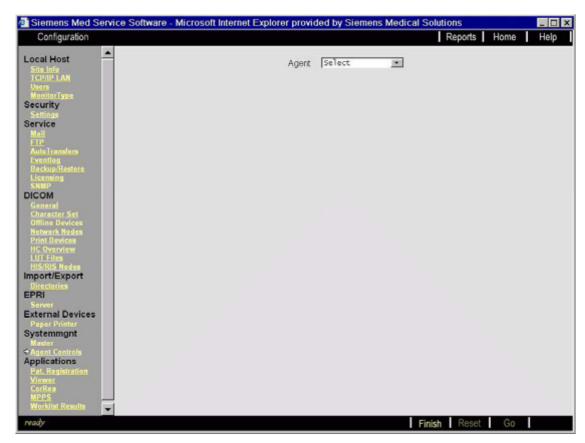


Fig. 43: C06_5_45

Installation Status

The status is automatically displayed if System Management was configured in the preceding "Master Mask".

The agent is uninstalled by deselecting "Installed".

By selecting "Installed", the Agent is installed as it was set in the preceding "Master Mask".

Applications

Under "Applications", you will find menus for setting the application parameters.

NOTE

As a rule, changes are made by application specialists and not CS-Es.

Pat. Registration

Select Pat. Registration.

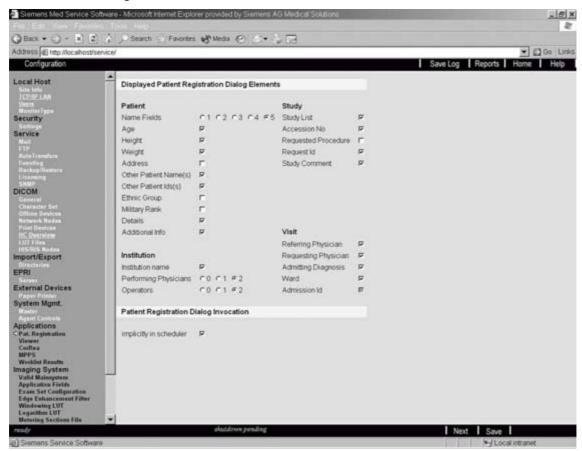


Fig. 44: Applications >> Pat. Registration 5

Patient

• Do not make any changes.

Institution

Do not make any changes.

Invoking the Patient Registration Dialog

Do not make any changes.

Study

Do not make any changes.

Visit

- Do not make any changes.
- · Click "Finish".

Viewer

Select Viewer.

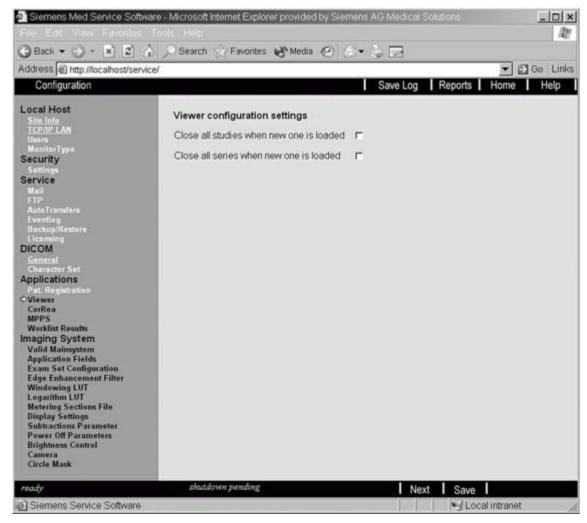


Fig. 45: Applications Viewer

Viewer Configuration Settings

Close all studies when new one is loaded

• Do not select.

Close all series when new one is loaded

- Do not select.
- Click "Finish".

CorRea

In this menu, you can set the attributes that can be modified in the CorRea(=Correct & Rearrange Platform).

• Select CorRea; do not make any changes.

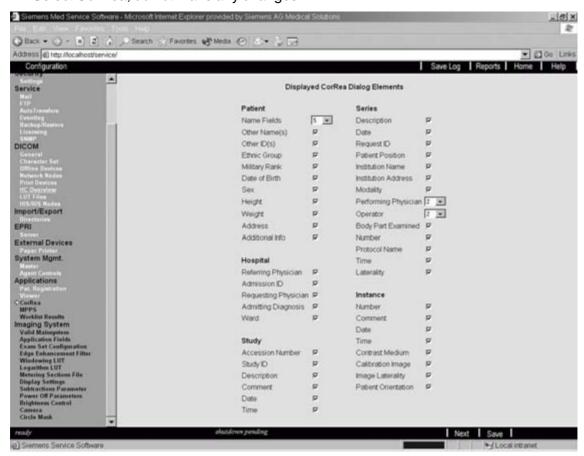


Fig. 46: Applications >> CorRea 5

Displayed CorRea Dialogs Elements

Patient

Do not make any changes.

Hospital

Do not make any changes.

Study

Do not make any changes.

Instance

• Do not make any changes.

Series

- Do not make any changes.
- Select "Finish".

MPPS

(Modality Performed Procedure Steps)

NOTE

Required settings that go beyond this syngo configuration can be performed only in cooperation with the responsible hospital network administrator.

The attributes defined here are displayed in the customer user interface when a MPPS message is sent to the RIS.

Select "MPPS".

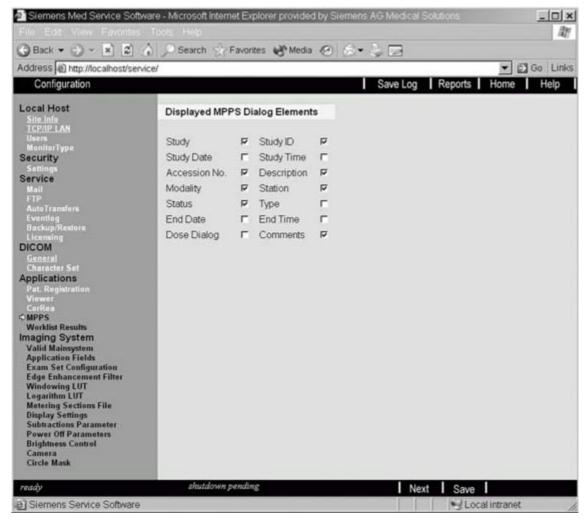


Fig. 47: MPPS Applications

Displayed MPPS Dialog Elements

- Do not make any changes.
- Select "Finish".

Worklist Results

The attributes defined here are displayed following a DICOM worklist request in the Patient Registration form.

• Select "Worklist Results".

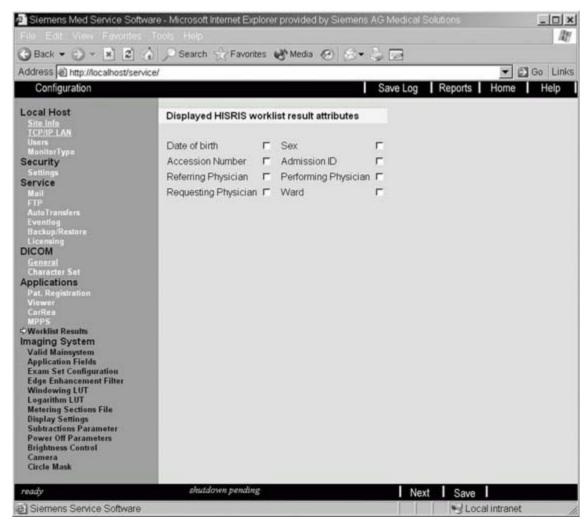


Fig. 48: Applications Worklist Results

Displayed HISRIS Worklist Result Attributes

- Do not make any changes.
- · Select "Finish".

Imaging System

NOTE

The Examination Set Editor may not be opened.

Valid Main System

Select "Valid Main System".

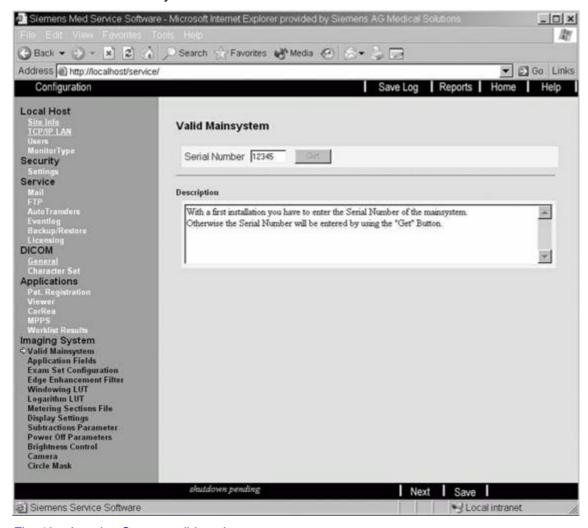


Fig. 49: Imaging System valid, main system

Initial Installation

• Enter the "Serial Number" of the connected main system.

This can be accepted with "get" only after complete installation of the main system and the image system.

Select "Save".

Not an Initial Installation

· Select "get".

When this is done, the Serial Number of the connected main system is accepted.

Select "Save".

Application Fields

NOTE

For "Application Fields: that require a license, you must first load the license. Then you will be able to activate this "Application Field" as described below.

Select "Application Fields".

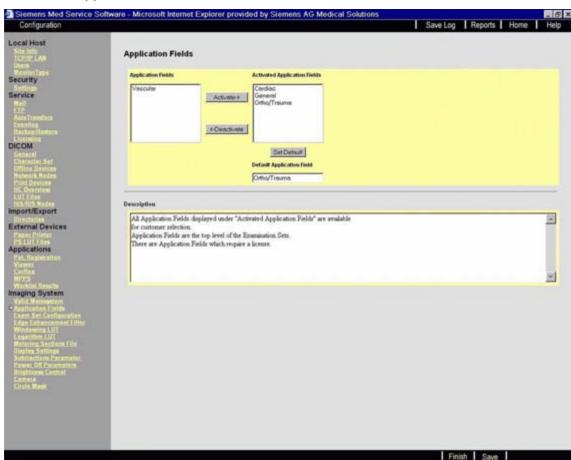


Fig. 50: Configuration >> ImagingSystem >> ApplicationFields

- The "Default Application Field" requested by the customer must be activated with "Set Default".
 - To select an application field as the "default application field", it must be displayed under "Activated Application Fields".
- To activate an application field, it must be selected under "Application Fields" and then activated by pressing the "Activate button".
 - There are "Application Fields" that require a license, e.g., Vascular (DSA).

Select "Save".

Examination Set Configuration

Here the minimum and maximum filters and LUTs for each examination set be defined to the customer's request.

Select "Examination Set Configuration".

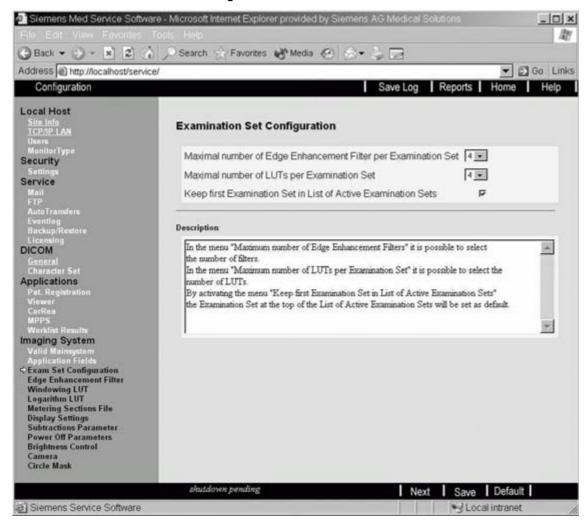


Fig. 51: Imaging System >> Exam Set Configuration

- Under "Maximum number of Edge Enhancement Filters per Examination Set", check whether "4" is selected.
- Under "Maximum number of LUTs per Examination Set", check whether "4" is selected.
- Select "Keep first Examination Set in List of Active Examination sets".
 - By selecting "Keep first Examination Set in List of Active Examination Sets", the first "Examination Set" in the Active Examination Set list becomes the "default".

Edge Enhancement Filters

The edge enhancement filters are responsible for edge enhancement.

Siemens Med Service Software - Microsoft Internet Explorer provided by Siemens AG Medic _ | D | X | 129 ③ Back ▼ ⑤ ▼ 💌 🙎 🏠 🔎 Search 穴 Favorites 🙌 Media 🚱 🙈 ▼ 👶 🔀 ▼ 🗗 Go Links Address @ http://localhost/service/ Configuration Save Log Reports Local Host Import Edge Enhancement Filter TCP/IP LAN Import Filter Files Filter Files in System Security C. Available files Service edgeKernel_test_off.flt Directory and file edgeKernel_test_2.fit edgeKernel_test_1.fit (ASPIA) Remove ¢CS_Info> Import <Documents and Settings> <lnetpub> <l_view> DICOM (OSC) <Program Files> **Applications** Description Here new Edge Enhancement Filters can be loaded Imaging System Erum Set Configuration

CEdge Enhancement Filter
Windowing LUT
Logarithm LUT
Metering Sections File
Display Settings
Subtractions Parameter
Power Off Parameters
Brightness Control
Camera Camera Circle Mask

Select "Import Edge Enhancement Filters".

Fig. 52: Imaging System >> Edge Enhancement Filter

Press the "Next" button for an initial installation.

Importing Edge Enhancement Filters

If an "edge enhancement filter" is imported, proceed as follows:

shutdown pending

- Select the required drive under "Drive".
- Select the required file in "Directory and file".
- Click "Import".

B Siemens Service Software

- □ The file will be displayed under "Available files".
- Press the "Save" button.

Windowing LUT

Select "Import Windowing LUT".

Next Save Default

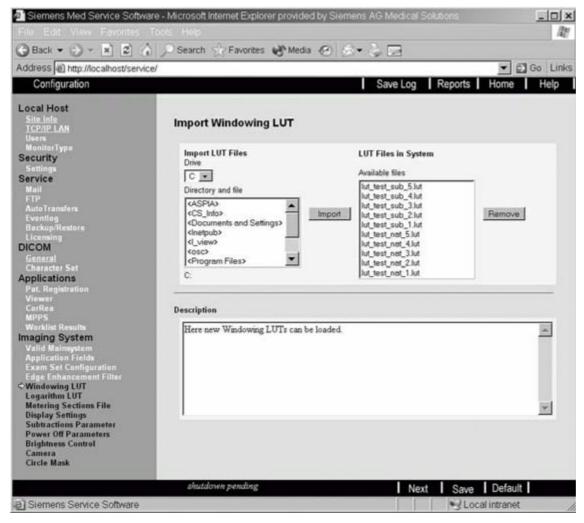


Fig. 53: Imaging System >> Windowing LUT

Press the "Next" button for an initial installation.

Importing Windowing LUT

If a "Windowing LUT" is imported, proceed as follows:

- Select the required drive under "Drive".
- Select the required file in "Directory and file".
- Click "Import".
 - □ The file will be displayed under "Available files".
- Press the "Save" button.

Importing and Activating Logarithm LUTs

Select "Import and Activate Logarithm LUTs"

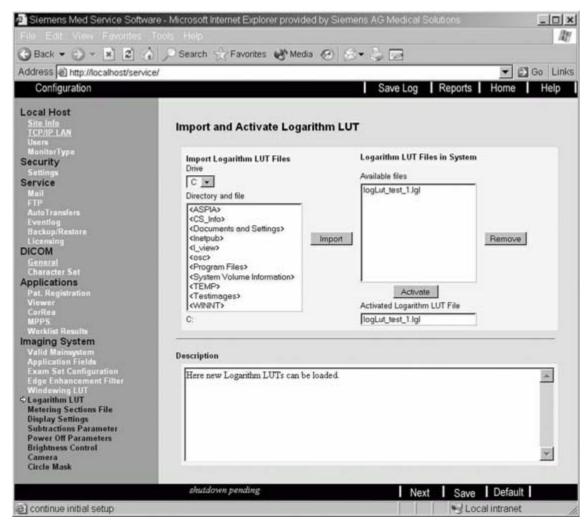


Fig. 54: Imaging System >> Logarithm LUT

Press the "Next" button for an initial installation.

If a "Logarithm LUT" is imported, proceed as follows:

- Select the required drive under "Drive".
- Select the required file in "Directory and file".
- Click on "Import".
 - □ The file will be displayed under "Available files".
- Press the "Save" button.

If a "Logarithm LUT" is activated, proceed as follows:

- Select the required file under "Available files".
- Click on "Activate".
 - The file will be displayed under "Activated Logarithm LUT File".
- Press the "Save" button.

If a "Logarithm LUT" is to be removed, proceed as follows:

- Select the required file under "Available files".
- Click on "Remove".
 - The file will be removed under "Activated Logarithm LUT File".
- Press the "Save" button.

NOTE

A file must always be entered under "Activated Logarithm LUT File".

Metering Sections File

Select "Meterings Sections File".

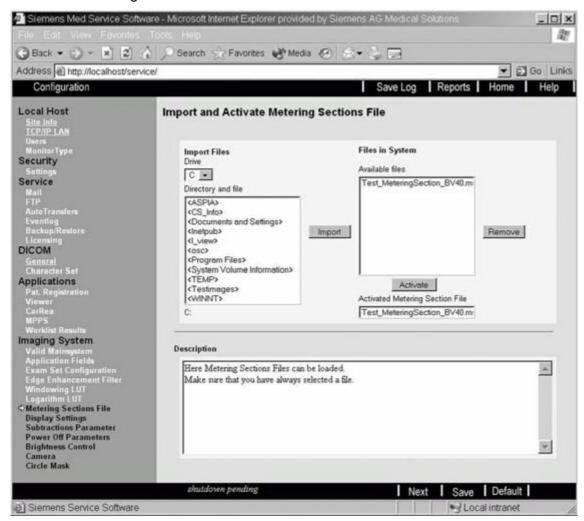


Fig. 55: Imaging System >> Metering Sections File

Press the "Next" button for an initial installation.

For import a "metering section file", proceed as follows:

- Select the required drive under "Drive".
- Select the required file in "Directory and file".
- · Click on "Import".
 - □ The file will be displayed under "Available files".
- Press the "Save" button.

For activating a "metering section file", proceed as follows:

- Select the required file under "Available files".
- Click on "Activate".
 - □ The file will be displayed under "Activated Metering Section File".
- Press the "Save" button.

If a "Metering Section File" is to be removed, proceed as follows:

- Select the required file under "Available files".
- Click on "Remove".
 - The file will be removed under "Activated Metering Section File".
- Press the "Save" button.

NOTE

A file must always be entered under "Activated Metering Section File ".

Display Settings

Select "Display Settings".

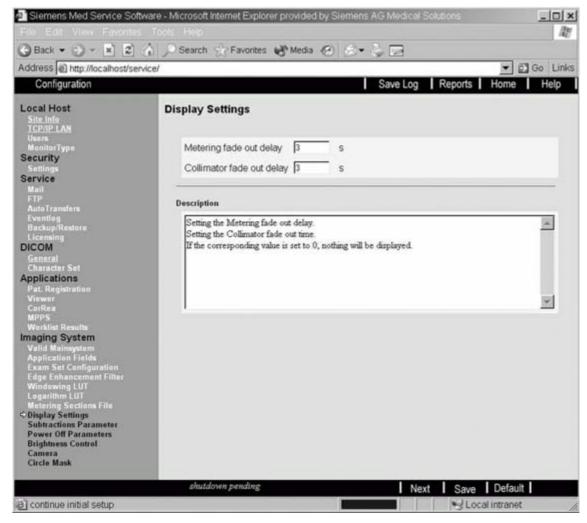


Fig. 56: Imaging System >> Display Settings

- Check whether "3" is displayed under "Metering Fade Out Delay".
- Check whether "3" is displayed under "Collimator Fade Out Delay".
- If no changes were made, select "Next".
- If changes were made, select "Save" and "Next".

Subtraction Parameters

The minimum and maximum values for noise suppression for the individual phases are set here.

Select "Subtraction Parameters".

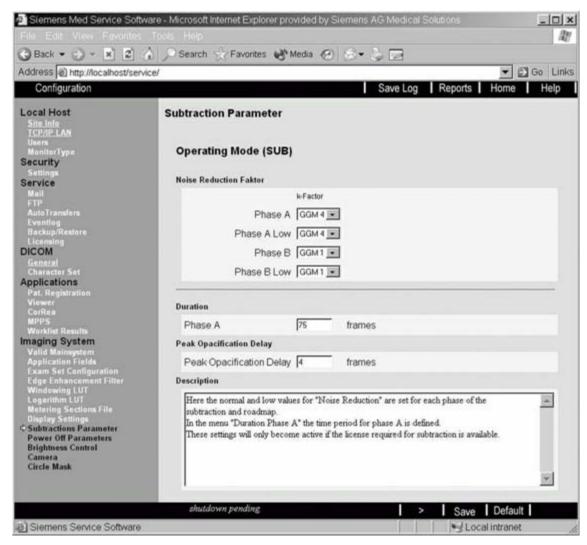


Fig. 57: Imaging System >> Subtractions Parameter 1

Operating Mode Subtraction (DSA)

With a new installation

Noise Reduction Factor

- Under Phase A, verify that the k factor "GGM 8" is set.
- Under Phase A Low, verify that the k factor "GGM 4" is set.
- Under Phase B, verify that the k factor "GGM 4" is set.
- Under Phase B Low, verify that the k factor "GGM 2" is set.

Duration

Under Phase A, verify that "75" frames are set.

Peak Opacification Delay

- Under Peak Opacification Delay, verify that "4" frames are set.
- Select "Save".

Operating Mode Roadmap

Select ">".

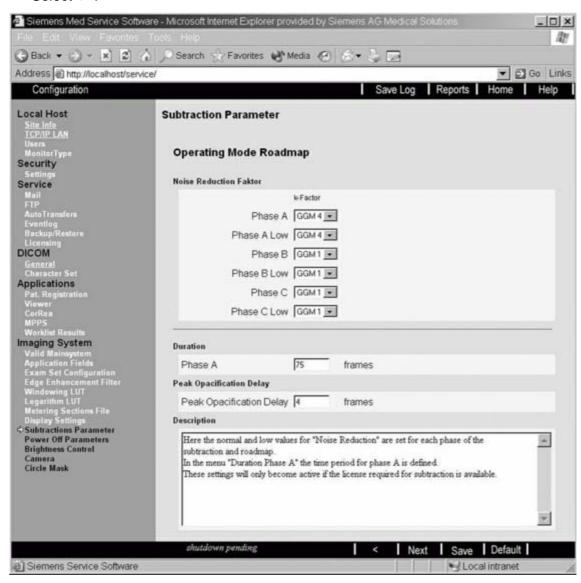


Fig. 58: Imaging System >> Subtractions Parameter 2

With a new installation

Noise Reduction Factor

- Under Phase A, verify that the k factor "GGM 8" is set.
- Under Phase A Low, verify that the k factor "GGM 4" is set.
- Under Phase B, verify that the k factor "GGM 4" is set.
- Under Phase B Low, verify that the k factor "GGM 2" is set.
- Under Phase C, verify that the k factor "GGM 4" is set.
- Under Phase C Low, verify that the k factor "GGM 2" is set.

Duration

• Under Phase A, verify that "75" frames are set.

Peak Opacification Delay

- Under Peak Opacification Delay, verify that "4" frames are set.
- Select "Save".

Power Off Parameters

The time after which the image system is switched off by the main system is defined under "Power Off Delay".

The time at which the main system can be switched on again without also switching on the image system is defined under "Power Off Grace Period".

Select "Power Off Parameters".

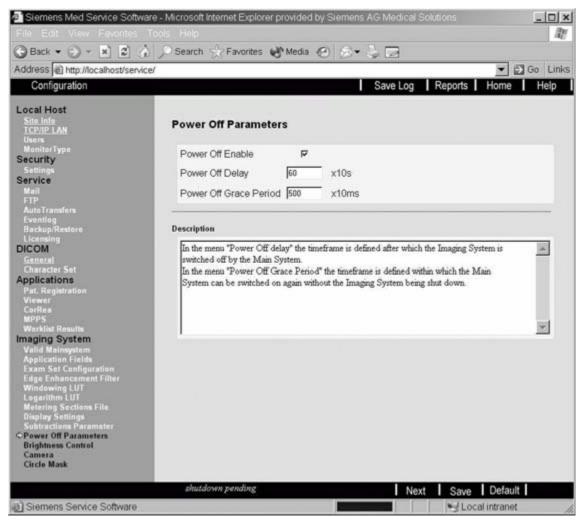


Fig. 59: Imaging System >> Power Off Parameter

Power Off Enable, check whether "Power Off Enable" is selected.

For service purposes, "Power Off Enable" can be deselected.

- Power Off Delay, check whether "60" x 10s is set.
 - The time set is 600 sec.

The number entered is multiplied by the factor 10.

- Under Power Off Grace Period, verify that "0" x 10ms is set.
 - This function is not currently supported by ARCADIS Varic.

Brightness Control

This is where the brightness actual value for brightness control of the image system is set.

Select "Brightness Control".

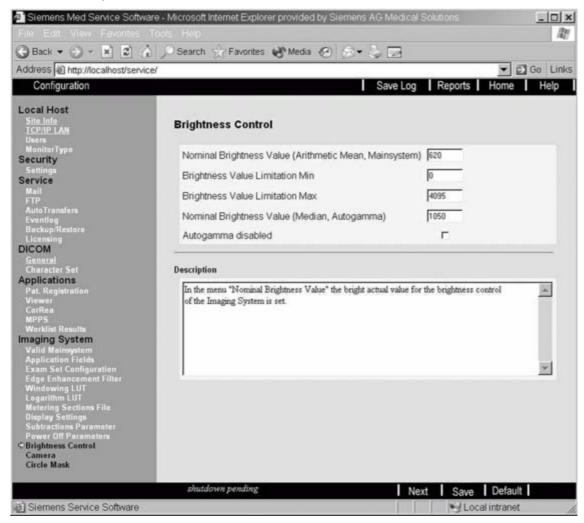


Fig. 60: Imaging System >> Brightness Control

- Under Nominal Brightness Value, verify that the value "1000" is set.
- Under Nominal Brightness Value Limitation Min., verify that the value "940" is set.
- Under Nominal Brightness Value Limitation Max., verify that the value "1060" is set.
- Under Nominal Brightness Value (Median, Auto gamma), verify that the value "1750" is set.

Auto Gamma Disabled

- Do not select "Auto gamma disabled".
 - "Auto gamma disabled" should be selected only for service purposes.

"Auto gamma disabled" is reset by closing the service software.

Click on "Next".

Camera

The parameters required for the individual operating modes are set here.

These should be changed only when instructed by the home office.

Select "Camera".

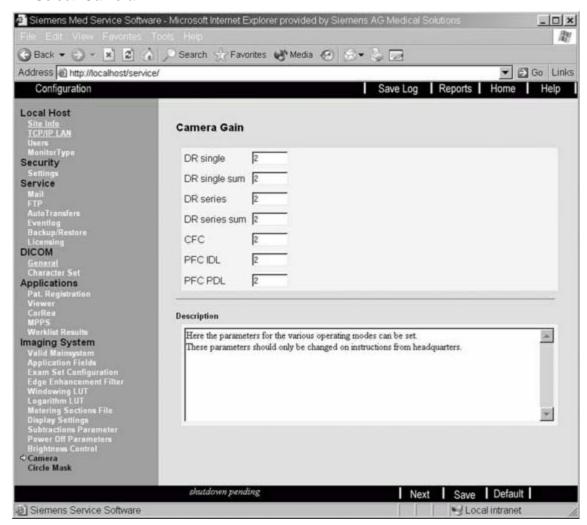


Fig. 61: Imaging System >> Camera

- "DR single", check whether the value "2" is set.
- "DR single sum", check whether the value "2" is set.
- "DR series", check whether the value "2" is set.
- "DR series sum", check whether the value "2" is set.
- "CFC", check whether the value "2" is set.
- "PFC IDL", check whether the value "2" is set.
- "PFC PDL", check whether the value "2" is set.

Circle Mask

Select "Circle Mask".

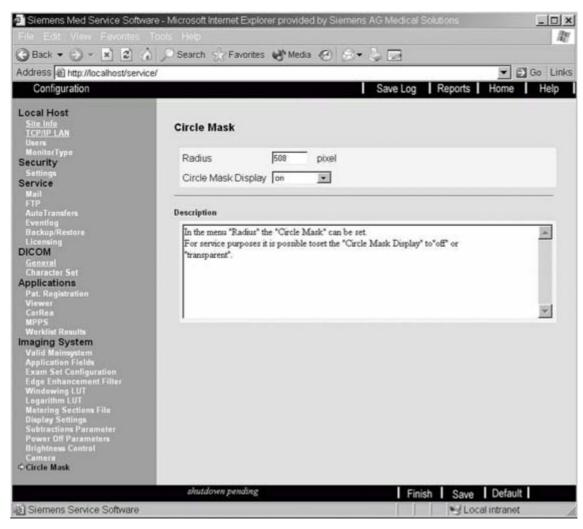


Fig. 62: Imaging System >> Circle Mask

- No action required; click "Finish".
 - These settings are required only when replacing the image intensifier.
 - A switch to "transparent" can be made for service purposes.

This concludes configuration of the imaging system.

NOTE

- Activities to be performed are labeled with a bullet point.
 - Indented text under the activity to be performed contains general information.
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NOTE

In the main system service pages, you must press the "Enter" key after entering a parameter.

When this is done, the "Save" button is displayed.

NOTE

Once the "Save" button has been selected in the individual screens, the message "..... successfully saved" appears following a successful save.

Please click on "o.k.".

NOTE

Depending on the progress of the configuration, the "Next" button can also be displayed as the "Finish" button.

Download

C-Arm

This point is described in the document "Software Installation".

Configuration

Main System

Select "Main System".

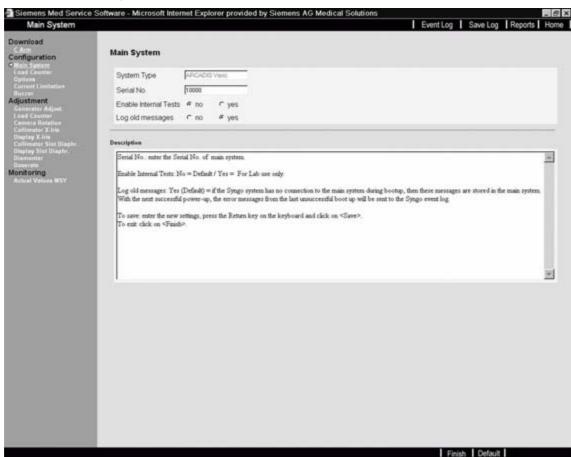


Fig. 63: Main System >> Configuration >> Main System

System Type

- Check to make sure that the correct system type is displayed here.
 - Depending on the system, "ARCADIS Varic" or "ARCADIS Orbic" can be displayed here.
 - The selection is made after selecting the main system in the service software.

Serial No.

Enter the Serial Number of the "Main System" here.

Enable Internal Tests

- Check to make sure that "no" is selected.
 - "Yes" is required only by the Engineering Department.

Log Old Messages

• Check to make sure that "yes" is selected.

Load Counter

Select "Load Counter".

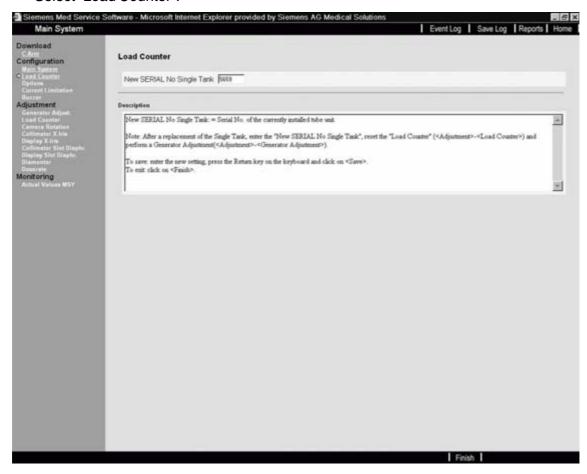


Fig. 64: Main System >> Configuration >> Load Counter

New SERIAL No., Single Tank

- Enter the Serial Number of the "Single Tank".
 - This can be found on the "Single Tank" housing.

Options

· Select "Options".

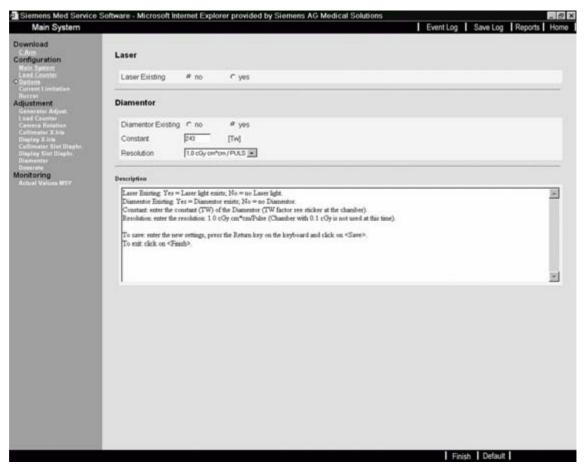


Fig. 65: Main System >> Configuration >> Options

Laser

If a laser is configured, select "yes".

Diamentor

Diamentor Configured

If a Diamentor is configured, select "yes".

Constant

 This value must be checked during installation of the new Diamentor and, if needed, adapted. As a default, "36" is set.

Resolution

- Check to make sure that "1.0 cGy cm*cm/Puls is selected.
 - At this time, the value "0.1cGy cm*cm/Puls" is not used.

Current Limitation

Select "Current".



Fig. 66: Main System >> Configuration >> Current Limitation

NOTE

The "Tube Current Limitation" is required only for Denmark. The required setting is performed during startup.

Tube Current Limitation

Max. mA Limit

Verify that "40" is displayed.

Lock kV Buttons

• Check to make sure that "no" is selected.

Buzzer

Select "Buzzer".

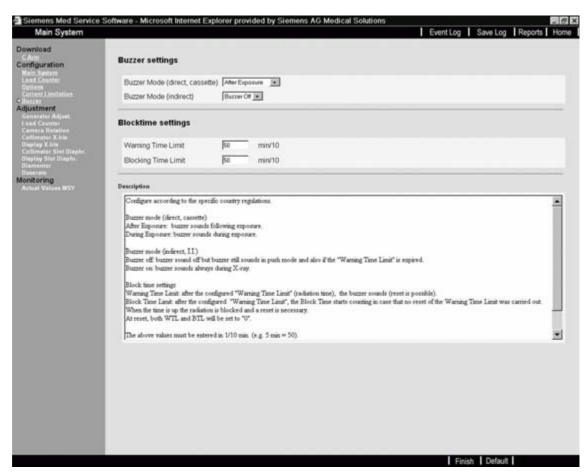


Fig. 67: Main System >> Configuration >> Buzzer

NOTE

The required setting is country-specific and is therefore made during startup.

Adjustment

Generator Adjust.

This point is performed when working with the document Adjustment SPR2-310.842.01.xx.xx.

Load Counter

This point is performed when working with the document Adjustment SPR2-310.842.01.xx.xx.

Camera Rotation

This point is performed when working with the document Adjustment SPR2-310.842.01.xx.xx.

Collimator, X-Iris

This point is performed when working with the document Adjustment SPR2-310.842.01.xx.xx.

Display X-Iris

This point is performed when working with the document Adjustment SPR2-310.842.01.xx.xx.

Collimator Slot Diaphr.

This point is performed when working with the document Adjustment SPR2-310.842.01.xx.xx.

Display Slot Diaphr.

This point is performed when working with the document Adjustment SPR2-310.842.01.xx.xx.

Diamentor

This point is performed when working with the document Adjustment SPR2-310.842.01.xx.xx.

Dose Rate

This point is performed when working with the document Adjustment SPR2-310.842.01.xx.xx.

Monitoring

MSY Actual Values

MSY Actual Values

Select "MSY Actual Values"

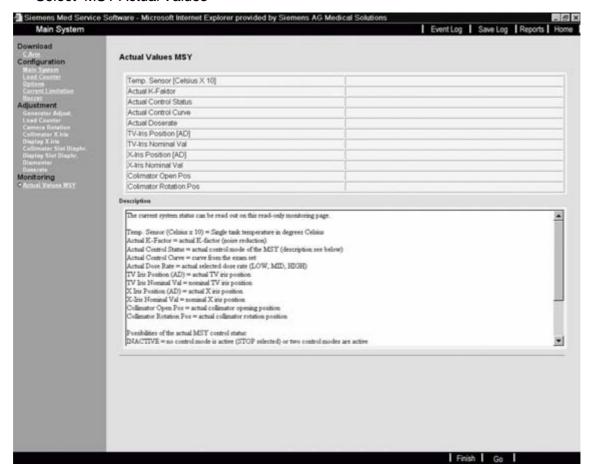


Fig. 68: Main System >> Monitoring >> MSY Actual Values

No configurations can be made on this page.

Click "Go" to display to actual main system values.

Service Software

Opening the Service Software

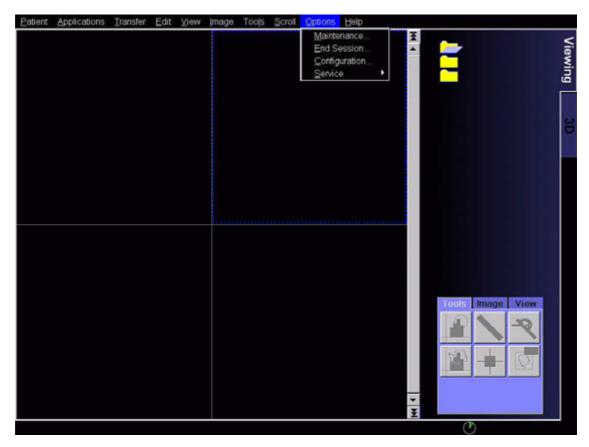


Fig. 69: C06_5_01

• Select the item "Service" under Options



Fig. 70: C06_5_02

Select "Local System"

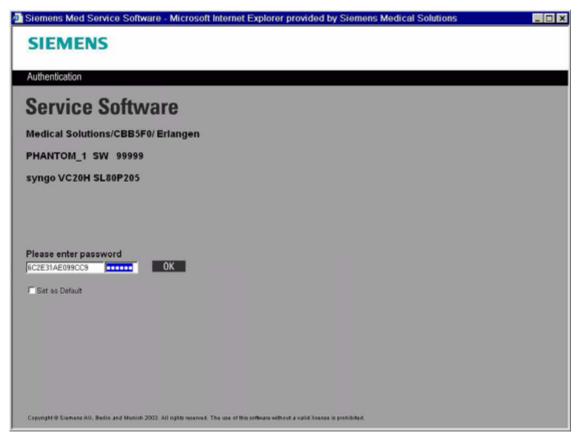


Fig. 71: C06_5_03

- Enter the service key under "Please enter password"
- · Select "set as default".
- · Verify with "OK".

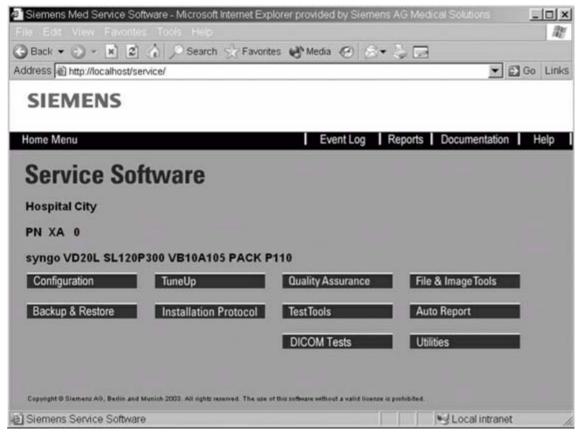


Fig. 72: Home Menu

Backup

NOTE

A backup must be created after software installation, software update or system adaptation.

Backup

- Select "Backup & Restore" in the "Service Software Home Menu"
- Insert the Backup-CD in the CD-ROM drive



Fig. 73: Backup & Restore >> Command

• Select "Backup" under Command



Fig. 74: Backup & Restore >> Command >> Backup

- Select the proper drive under "Drives"
 - Save to CD-ROM (standard save)

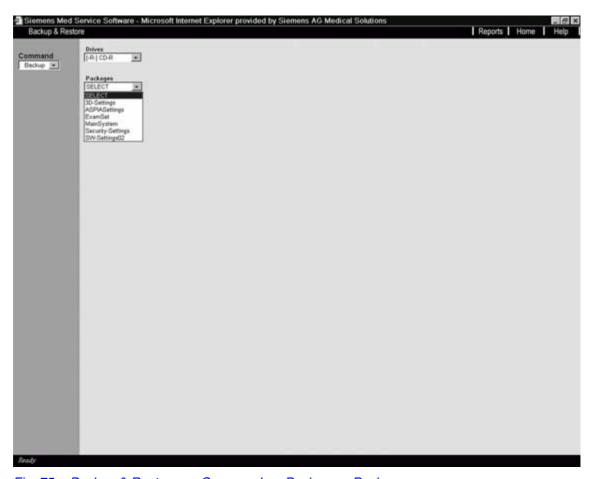


Fig. 75: Backup & Restore >> Command >> Backup >> Packages

SW-Settings02

- Select "SW-Settings02" under Packages
- Click "Go"
 - Wait until the message "Ready" is displayed in the footer



Fig. 76: Backup & Restore >> Command >> Backup >> SW-Settings02

ASPIA Settings

- Select "ASPIASettings" under Packages
- Click "Go"
 - Wait until the message "Ready" is displayed in the footer

ExamSet

- Select "ExamSet" under Packages
- Click "Go"
 - Wait until the message "Ready" is displayed in the footer

3D-Settings

For systems with 3D option.

- Select "3D-Settings" under Packages
- Click "Go"
 - Wait until the message "Ready" is displayed in the footer

Security-Settings

For systems with HIPAA configuration

- Select "Security-Settings" under Packages
- Click "Go"
 - Wait until the message "Ready" is displayed in the footer

MainSystem

- Select "MainSystem" under Packages
- Click "Go"
 - Wait until the message "Ready" is displayed in the footer

Exiting Backup

- Exit the window via "Home"
- Remove the Backup CD-ROM
- Add the CD-ROM to the system documentation

NOTE

It is not possible to perform a backup of the database (patient images)!

Save the patient images to the archive.

Saving to CD-ROM as long-term archive is prohibited.

Restore

NOTE

Generally backups from one system cannot be imported to another system.

Exceptions to this rule are listed in each product.

NOTE

Follow this sequence for the individual Restore groups:

- 1. "SW-Settings02"
- 2. "ASPIASettings"
- 3. "ExamSets"
- 4. "3D-Settings"
- 5. "Security-Settings"
- 6. "MainSystem"

Individual groups can also be imported.

However, you must adhere to the sequence above.

For example:

- 1. "ASPIASettings"
- 2. "3D-Settings"

NOTE

The Examination Set Editor may not be opened.

Restore

- Select "Backup & Restore" in the "Service Software Home Menu"
- Insert the Backup-CD in the CD-ROM drive



Fig. 77: Backup & Restore >> Command >> Backup

• Select "Restore" under Command

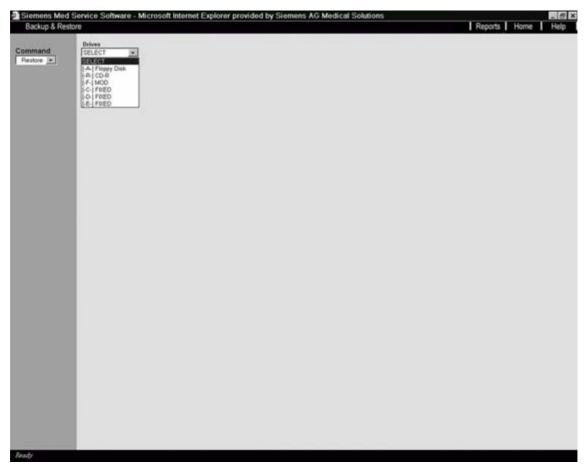


Fig. 78: Backup & Restore >> Command >> Restore >> Drives

• Select the proper storage device under "Drives"

SW-Settings02



Fig. 79: Backup & Restore >> Command >> Restore >> Archive

• Under "Archive", select the correct (latest) "SW-Settings02" backup file.

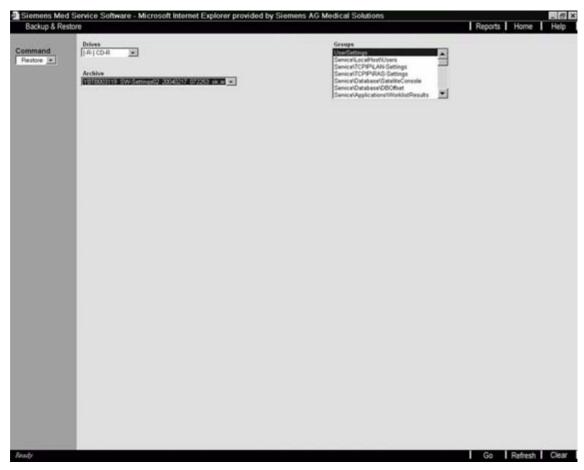


Fig. 80: Backup & Restore >> Command >> Restore >> Groups

- Highlight all the files in "Groups"
 - e.g., by pressing the "Ctrl" key and clicking the individual groups
- Click "Go"
 - Wait until the message "Ready" is displayed in the footer
 - This might take a few minutes.

ASPIA Settings

- Under "Archive", select the correct (latest) "ASPIASettings" backup file.
- Highlight all the files in "Groups"
 - e.g., by pressing the "Ctrl" key and clicking the individual groups
- Click "Go"
 - Wait until the message "Ready" is displayed in the footer
 - This might take a few minutes.

ExamSet

NOTE The Examination Set Editor may not be opened.

For the ExamSets, three variants have to be imported.

Importing Default and User-defined ExamSets completely and together

Under "Archive", select the correct (latest) "ExamSet" backup file.

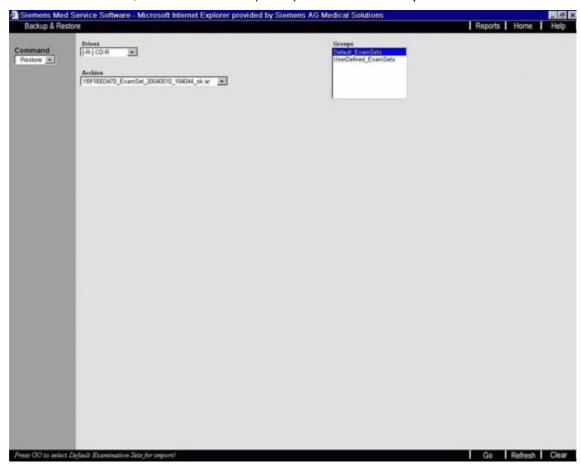


Fig. 81: Restore >> ExamSet (both)

- Highlight the default ExamSets and user-defined ExamSets under "Groups"
 - e.g., by pressing the "Ctrl" key and clicking both groups
- Click "Go"
 - Wait until the message "Ready" is displayed in the footer
 - This might take a few minutes.

Importing or updating individual separate ExamSets

- Under "Archive", select the correct (latest) "ExamSet" backup file.
- Highlight the default ExamSets under "Groups"
- Click "Go"

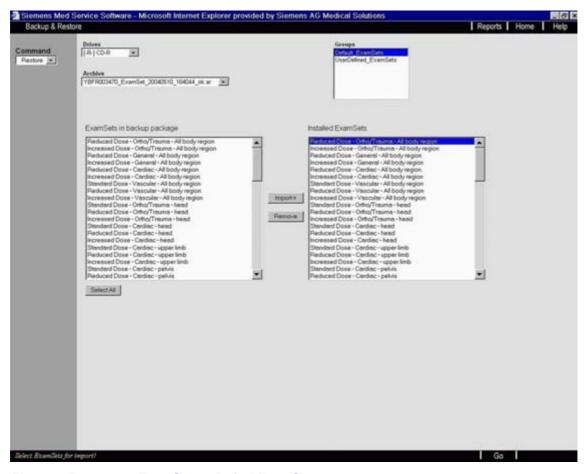


Fig. 82: Restore >> ExamSet >> DefaultExamSets1

- You can select Examsets individually in "ExamSets in backup package", or you can select all ExamSets by clicking "Select All"
- Select "Import"
 - This displays the ExamSets under "Installed ExamSets"
 - If the ExamSet exists already under "Installed Exam Sets", [update] is displayed before the ExamSets
 - If the ExamSet does not exist already under "Installed Exam Sets", [insert] is displayed before the ExamSets
- Click "Remove" to deselect the [update] or [insert] settings shown under "Installed Exam Sets"

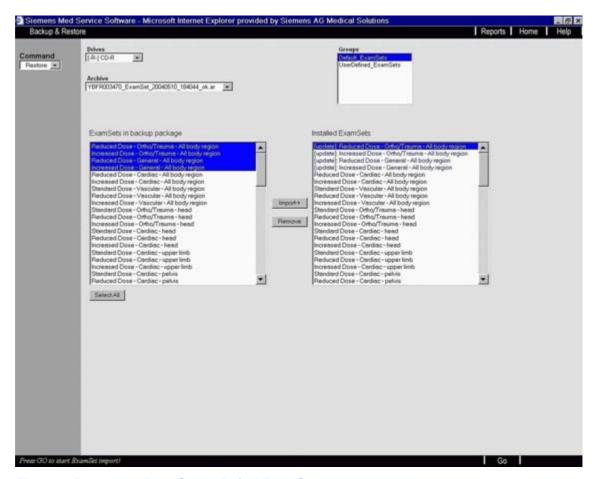


Fig. 83: Restore >> ExamSet >> DefaultExamSets2

- Click "Go"
 - This imports the selected ExamSets
 - Wait until the message "Ready" is displayed in the footer

Importing or updating individual user-defined ExamSets

- Under "Archive", select the correct (latest) "ExamSet" backup file.
- Highlight the user-defined ExamSets under "Groups"
- Click "Go"
- You can select Examsets individually in "ExamSets in backup package", or you can select all ExamSets by clicking "Select All"
- Select "Import"
 - This displays the ExamSets under "Installed ExamSets"
 - If the ExamSet exists already under "Installed Exam Sets", [update] is displayed before the ExamSets
 - If the ExamSet does not exist already under "Installed Exam Sets", [insert] is displayed before the ExamSets
- Click "Remove" to deselect the [update] or [insert] settings shown under "Installed Exam Sets"
 - The following image is displayed:

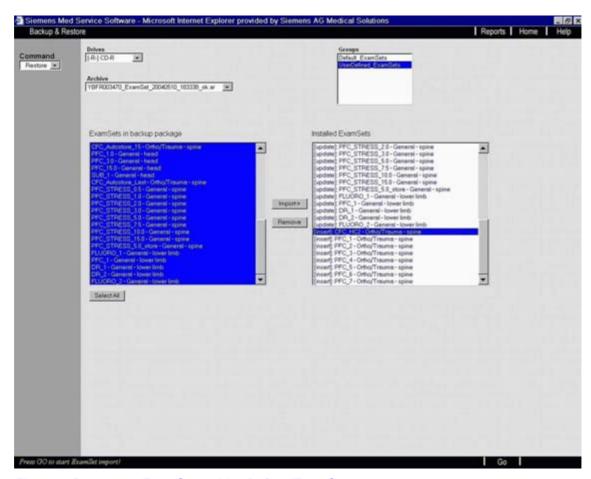


Fig. 84: Restore >> ExamSet >> UserDefinedExamSets2

- Click "Go"
 - This imports the selected ExamSets
 - Wait until the message "Ready" is displayed in the footer

3D-Settings

For systems with 3D option

- Under "Archive", select the correct (latest) "3D-Settings" backup file.
- Highlight all the files in "Groups"
 - e.g., by pressing the "Ctrl" key and clicking the individual groups
- Click "Go"
 - Wait until the message "Ready" is displayed in the footer
 - This might take a few minutes.

Security-Settings

For systems with HIPAA configuration

NOTE

Once the Security Setting is imported, it can no longer be deactivated within the configuration.

In order to perform changes after importing settings, a complete reinstallation of imaging system the software is necessary.

- Under "Archive", select the correct (latest) "Security-Settings" backup file.
- Highlight all the files in "Groups"
 - e.g., by pressing the "Ctrl" key and clicking the individual groups
- Click "Go"
 - Wait until the message "Ready" is displayed in the footer
 - This might take a few minutes.

MainSystem

- Under "Archive", select the correct (latest) "MainSystem" backup file.
- Highlight all the files in "Groups"
 - e.g., by pressing the "Ctrl" key and clicking the individual groups
- Click "Go"
 - Wait until the message "Ready" is displayed in the footer
 - This might take a few minutes.

Exiting Restore

- Exit the window via "Home"
- Remove the Backup CD-ROM
- Add the CD-ROM to the system documentation
- Switch off the system completely
- Switch on the system again
 - The Restore is now finished.

NOTE

It is not possible to perform a restore of the database (patient images)!

Patient images can be reimported from the archiving medium via the Patient Browser

NOTE

If the system is connected to a network, the following checklist must be filled out and filed in the system binder.

Person responsible for network configuration at customer site

Name:	
Phone / Fax:	
E-Mail:	

System network data

Identification:	Enter under:
Computer name	* Configuration/ Local Hos
IP address:	
TCP/ IP address	* Configuration/ Local Hos TCP IP address
Subnet mask	* Configuration/ Local Hos TCP IP address
Gateways	* Configuration/ Local Hos TCP IP address
General: Local AE title for:	
HIS/RIS	* Configuration/ Dicom/ Ge eral
Study transfer	* Configuration/ Dicom/ Ge eral
Print	* Configuration/ Dicom/ Ge eral

Note:	

Network data for HIS/RIS network partner (only with HIS/RIS option)

ailable Yes	No
vers	sion: Manufacturer:
st properties:	
Host name	* Configuration/ Dicom/ HIS RIS Nodes
TCP/ IP address	* Configuration/ Dicom/ HIS RIS Nodes
neral Node Properties	
Logical name	* Configuration/ Dicom/ HIS RIS Nodes
plication entity	
AE title	* Configuration/ Dicom/ HIS RIS Nodes
Port number	* Configuration/ Dicom/ HIS RIS Nodes
te:	,

Network data for reporting console/archiving system

Available	Yes	No
Product:	Version:	Manufacturer:
Host properties:		

Host name			* Configuration/ Dicom/ N work Nodes
TCP/ IP address			* Configuration/ Dicom/ N work Nodes
General node properties:			
Logical name			* Configuration/ Dicom/ N work Nodes
Application entity:			
AE title			* Configuration/ Dicom/ N work Nodes
Port number			* Configuration/ Dicom/ N work Nodes
Supported Dicom services:			
Storage	Yes	No	* Configuration/ Dicom/ N work Nodes
Storage commitment	Yes	No	* Configuration/ Dicom/ N work Nodes
	Node n	ame:	* Configuration/ Dicom/ N work Nodes
Query	Yes	No	* Configuration/ Dicom/ N work Nodes
Retrieve	Yes	No	* Configuration/ Dicom/ N work Nodes
Note:			

Network data for reporting console/archiving system

Available	Yes	No
Product:	Version:	Manufacturer:
Host properties:		

Host name			* Configuration/ Dicom/ No
			work Nodes
TCP/ IP address			* Configuration/ Dicom/ Nework Nodes
General node properties:			
Logical name			* Configuration/ Dicom/ Nowork Nodes
Application entity:			
AE title			* Configuration/ Dicom/ Nowork Nodes
Port number			* Configuration/ Dicom/ Nowork Nodes
Supported Dicom services:			
Storage	Yes I	No	* Configuration/ Dicom/ Nowerk Nodes
Storage commitment	Yes I	No	* Configuration/ Dicom/ Nowerk Nodes
	Node nar	ne:	* Configuration/ Dicom/ Nowork Nodes
Query	Yes I	No	* Configuration/ Dicom/ Nowork Nodes
Retrieve	Yes I	No	* Configuration/ Dicom/ Nowark Nodes
Note:			

Changed Monitor Type setting from True Color to Pseudo Color.